AN INDEPENDENT DAILY NEWSPAPER

DEDICATED TO THE SERVICE OF THE PEOPLE, THAT NO GOOD CAUSE SHALL LACE A CHAMPION, AND THAT EVIL SHALL NOT THRIVE UNOPPOSED.

H. D. Slater, Editor-in-Chief and controlling owner, has directed The Herald for 16 Years; G. A. Martin is News Editor.

EL PASO HERALD

Editorial and Magazine Page Wednesday, July Twanty-ninth, 1914.

Superior exclusive features and complete news report by associated west Texas, Mexico, via 190 Special Correspondents covering Arizona, New Mexico, west Texas, Mexico, via ington, D. C., and New York.

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Christy Mathewson

T'S curving and twisty, the pitching of Christy, it bothers the artists who stand at the plate; the idol of fandom ne'er pitches at random, he uses his brains and he keeps them on straight. The outlook is misty for men in Christy, and teams business and the control of the con facing Christy, and teams hunting pennants get goose oggs instead; for Christy, the clinker, is student and thinker; he uses his forepaw, and also his head. The blue ribbon's his'n—you see how he's risen—his fame has extended from Rutland to Rome; he is the Old Master, who dodges disaster, because when he's working he uses his dome. "Phenoms" we've a-plenty; we've eighteen or twenty, each season, dispensing a big line of talk; but Christy, the clever, is with us forever, because he's the pitcher who uses his block. We can't all be pitchers, for some must be ditchers, and others be farmers—whatever our jobs, we're sure to be rising to sammit surprising, if always, when working, we're using our knobs.

(Convergent by George M. Adams.)

-WALT MASON. (Copyright by George M. Adams.)

Accuracy

N AUTOMOBILE headlight of high power can be seen for 120 miles through the telescope of a theodolite such as that used by the geodetic survey. This means is used in signaling through this section of high altitudes and clear atmosphere, by the surveyors carrying on the very accurate work of running base lines along the parallels of latitude and the meridians of longitude.

The United States government has surveyed more than 10,000 miles of base lines by the method known as primary triangulation. The precision necessary for this work is of as high an order as any known to physical science; It is described in a recent issue of the National Geographic magazine. Inasmuch as throughout west Texas, Arizons, and New Mexico there are many monumented stations on mountains and in cities, connected with the most recent surveys of this character, there is general interest in the subject. The Franklin mountains have a number of monumented peaks, and the odd shaped concrete monument in Cleveland square is one of the important stations of the southwestern surveys.

The usefulness of the automobile headlight has proved itself in many instances where the lines joining stations are often more than 100 miles long, and some method of signaling had to be devised that would enable surveyors to keep in touch with each other over such distances. In daylight, a reflecting instrument Is used which utilizes the rays of the sun. But the service of this instrument is limited because in daytime there are so many conflicting lights and reflections that absolutely correct readings are difficult.

Consequently the most exact work is now done at night, and the autemobile headlight, easily transportable together with its gas tank, is used to signal. Longitude is determined by the relative time of the passing of certain stars ever an imaginary are in the sky which passes from pole to pole through the zenith. Observers at distant points, in touch by means of the headlight signal, flash the time of their readings of the star passages, as seen through the telescope, and thus the exact air line distance between two points may be determined. Having this, it is easy to make the necessary correction to conform to the curve of the earth.

The work of the geodetic survey is so exact that allowance is made for the time which elapses between the brain's impression, through the eye, of the passing of a star across the meridian, and the brain's transmission of the fact to the motor nerves resulting in the observer touching a telegraphic key or an electric button. It is so exact that the utmost permitted error in running a line a mile long is 1-33d of an inch to the right or left. The greatest error permitted in leveling work is one inch in 500 miles.

The lines on the scale of degrees on the theodolite are invisible to the naked eye. When the operator reads the scale, he reads it three times, through three separate microscopes of high power, each at a different angle, to guard against possible error, and then he reads and rereads to check his own readings. Linear distances are measured with a tape composed of an alloy of nickel and steel, not affected by heat or cold, and stretched each time to a certain tension as shown by a spring balance.

Every high school boy understands the principle of triangulation. Having a base line of known length, a given point in the distance is observed from each and of the line and the angle found. It is then easy to calculate the exact distance of the object. This is the method used on warships to obtain the correct range of a target.

Triangulation work or other surveying in a mountainous country is made easier by the high peaks used as stations. But in low flat country or in timber, high towers must be erected or other means used to obtain such an elevation as will permit observation over a wide area. In a perfectly level country an object 20 miles away could not be seen except from an elevation at least 60 feet high. In hig timber, stations are erected in tree tops, sometimes at an elevation of 200 feet or more.

Such is the extreme care taken to prevent error, that all nations accept the determinations of the United States geodetic survey as standard; the basis of all astronomic measurement in the world is the geodetic survey's data upon the exact shape and diameter of the earth.

The machine owned by the survey and used in engraving the graduated scales on theodolites and other instruments, is so sensitive that the room in which it stands is kept all the time at blood heat, so that the presence of a man in the room will not, by causing metal to expand, affect the machine's accuracy.

Now for the convention-and Ball men will be as welcome as Ferguson men, for that is El Paso's way.

Somebody wants to know if there is an Aunt Sam to go with our favorite ande. The suffragets ought to tell us.

The campaign of Dick Croker to oust Murphy in New York ought to furnish the nation considerable amusement this fall.

No more politics for El Paso till next spring,

El Paso could have defeated congressman W. R. Smith for reelection but Al Paso has the knack of picking the good ones and holding on to them.

Contrary to the usual belief, the lowest death rates are usually found in cities, not in rural districts. The explanation is simple; in the cities sanitation and hygiene are more widely taught and practiced.

California has 30,000 Italians settled on orchards and vineyards. Louisiana has large colonies of thrifty Italian sugar makers. The Italian laborer far surpasses the negro in the cotton country. The typical Italian immigrant who comes to this country is by heredity, experience, and preference an agriculturist, and it has been said that after making his second crop as a tenant farmer the Italian insists on buying the farm.

El Paso has a great reputation far and wide for hospitality to her visitors. There is a fine old English phrase that hits it off just right. "He is our breadand-salt brother," they say of a casual guest at table, received into the hearts of his hosts.

14 Years Ago Today

From The Herald This Date 1900. E. Krause has returned from Ala-Herbert Maple has returned from Chris Yager came down from Jarilla

Chris Yager came down from Jarilla last night.

A. J. King returned to the city last night from Capitan.

Elder Adolph Hoffman went up to alamogordo this morning.

David Payne has failen a victim to the carms of Cloudcroft.

Maury Kemp and Robert Nell will cave next week for Los Angeles.

J. Calisher leaves for the east Wedlesday, where he will join his family.

W. R. Brown came up from Chilmahas yesterday and returned this morning.

J. W. Magoffin has gone to Cloudcroft to spend a few days with his family.

Charles Stevens returned inst night from a week's visit to his family in Cloudcroft.

Mix. Buck Jones has gone to Wichlita, Kane, on an extended visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in Charles Stevens returned inst night from a week's visit to his family in the family in t

Miss Winslow, of Chihunhua, who has been visiting Miss Ethel Christia, returned home today.

The special train over the White Onks took approximately 75 people to Clouderoft this morning. Senor Jacobe Blanco, the Mexican boundary commissioner, took his wife and faughter to Cloudcroft yesterday morning.

The Season's Serial Sensation

In the Web of ✓ Life ✓

Constance Runs to Warn Tom of Possible Danger. By Virginia Terhune Van de Water.

floor. Then she stock sthil for a long minute.

There are times in the life of many a person when, for a brief period, one seems almost clairvoyant, almost able to read the mind of another. This min-

minute.

There are times in the life of many preson when for a slong minute.

There are times in the life of many preson when for a brief poriod one its read the mind of anothe. This mind to read the mind of anothe. This mind for the mind of anothe. This mind for the property of the mind of anothe. This mind for the province and the prayed for west.

RUINED!

**PRESPIERRE was a French law with the continued France would become the province and the prayed for west.

Be possible for west.

The rain it came two lates, when the should not be allowed to make a devote patriol, having only the saches us that men. With narrow, annihing brown, instiffciently squipped on the lands of the should not be allowed to the province and was a devoted patriol, having only the caches us that men. With narrow, annihing brown, instiffciently squipped on the lands of the should not be allowed to the minute of the should not be allowed to the minute of the should not be allowed to the minute of the should not be allowed to the should not be

Constance Runs to Warn Tormoof Possible Danger.

By Virginia Terhuse Van de Water.

Titti quantum repeated finalit to the urit, white sha stroot three, was one of the manufacture will be a stroot of the control of th

LITTLE INTERVIEWS

tions between Austria-Hun-gary and Servia broken, there will be a mad scramble of war correspondents erross the pond," said Tim Turner, who has charge of the border bureau of the Associated Fress.

66 W 1TH the war clouds hovering over all Europe and rela-

"Practically all the larger American

"This Is My Birthday Anniversary"

T HERE is an exhortation that reads, "Let patience have her perfect work," and it means a lot more than young folks usually think. Boys work," and it means a lot more than young folks usually think. Boys and girls do not realize how much they can be doing for their future by exercising patience in small ways. The ability to be quiet, to wait without getting into a stew, means health and happiness, and practice in these ways should begin in childhood.

Today's birthday anniversary list reads: Gleve Deer, 15. William Gorman, S. Lile Daie, 14. Sam Russell, 9.

Julia Davis, 17. George Want, 8. Marie Cornwall, 14. Josephine Boynton, 11.

James Jacobs was 1 year old yesterday.
"Miss Birthday" has a ticket to the Bijou for each boy and girl named above. Call at The Herald office for it.

mill it became evident to all that it he continued France, would become purified but unpopulated. He was therefore denounced in the convention and executed himself—but not until he had given the French revolution as record of barbarity which will stain it forever.

NOW DONT

SPENG TRAI OLD SILEF AROUND FROM THE SPENG TRAI OLD SILES AROUND FROM THE SPENG TRAIN THE SPEN



follow Poly as sure as I am a puppy siri." she said to herself. She was quite right.

Tem, conce out of sight of the bouse, hurried after Pely, not down the road, you may be sure, but along inside of the fields where he would not be seen. The grasses wer his trousers, and the crickets tempted him to stop, and soon, diding by the bushes, he passed Poly, and hurried into the little shop, unseen and almost of him.

Now the animal person who kept this little shop was a very old dog. He was a cocker spaniel, and was coal black. His suit was of black broadcioth and his long silky ears hung over and almost hid his gold rimmed spectacies. He was a little deaf and did not hear Tom Tabby sneak in softly, close the door behind him and hide behind a small barrei. The room was warm and smeet of peppermint candy, and Tommy in his close hiding place was very uncomfortable. He longed to get up and look about him, but waited patiently for Poly. A long cass filled with candles and sweats was just above him. The shelves that lined the room ware full of all sorts of strange things. Books, and dolls, and ciothing of all sorts of strange things. Books, and dolls, and ciothing of all sorts of strange things. Books, and dolls, and ciothing of all sorts of strange things. Books, and dolls, and ciothing of all sorts of strange things. Books, and dolls, and ciothing of all sorts of strange things, Books, and dolls, and ciothing of all sorts of strange things. Books, and dolls, and ciothing of all sorts of strange things, but just a she was about to see the proper strange the shop has been and sort and properly to and arrive and ho one cared. There was a real story about every toy and article in the place, if any one had cared to try and look it up. Tom growing impalient, raised his head ath peeled into the show once, said by aide with a brantiful tiny doll was a small hox marked "Handker-chiefs," but just as he was about to see more the door opened and he jerked hack just in time. It was Poly.

"I want to look at a present for some one,

ARTILLERYMEN ARE CHARGED WITH RIOT

A military court is in session on the third floor of the federal building, trying the artilleryman of the 6th artilstorm the pelice station and release one of their comrades who had been arrested. Lieut A. L. P. Sands is acting as attorney for the defence in the court martial trial The men are charged with starting a riot, resisting the police and being drunk. Private Riley's case was heard Tuesday and that a private Newcomer's was started Tues-day afternoon.

STICKING A GUY AT A PICTURE SHOW

